

Date: Friday, 16/01/2009 8:31:10 AM
 User: Linda Lacelle

Process Sheet

Customer : CC-DAR01 Dart Aerospace Ltd.	Drawing Name : PRELIM
Job Number : 44863	
Estimate Number : 10804	
P.O. Number :	Part Number : D3705041 <i>instrument panel</i>
This Issue : 16/01/2009 S.O. No. :	Drawing Number : D3705 REV.C
Prsht Rev. : NC	Project Number :
First Issue : / / Type : SMALL /MED FAB	Drawing Revision :
Previous Run : 00015	Material :
Written By :	Due Date : 23/01/2009 Qty: 1 Um: Each
Checked & Approved By :	
Comment :	

Additional Product

PRELIMINARY ISSUE



Job Number:



09.01.16 Per EOW#09.502P

Seq. #:

Machine Or Operation:

Description :

1.0

SMALL FAB 1

SMALL & MEDIUM FAB RESOURCE 1



Comment: SMALL & MEDIUM FAB RESOURCE 1

PULL FROM PRELIM W/O
 1 X D3707-041 B41224 REV.B

REWORK TO REV.C PER MARC B
 RECORD NEW PARTS IF APPLICABLE:

09.01.16

2x D3707-1 B44726
 2x D3707-3 B44727

2.0

D3705041

Instrument Panel Assembly



Comment: Qty.: 1.0000 Each(s)/Unit Total: 1.0000 Each(s)
 Instrument Panel Assembly

3.0

QC5

INSPECT WORK TO CURRENT STEP



ENGINEER
 APPROV. G

G

09.01.19



Comment: INSPECT WORK TO CURRENT STEP

4.0

HAND FINISHING1

HAND FINISHING RESOURCE #1



Comment: HAND FINISHING RESOURCE #1

TOUCHUP/ REPAINT AS REQ'D

09.01.19

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Date: Friday, 16/01/2009 8:31:10 AM
User: Linda Lacelle

Process Sheet

Customer: CC-DAR01 Dart Aerospace Ltd.

Drawing Name: PRELIM

Job Number: 44863

Part Number: D3705041

Job Number:



Seq. #:

Machine Or Operation:

Description :

5.0

QC3

INSPECT POWDER COAT/CHEMICAL CONVERSION



Comment: INSPECT POWDER COAT/CHEMICAL CONVERSION

Handwritten initials

09-01-19

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6.0

PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

44814

7.0

QC21

FINAL INSPECTION/W/O RELEASE



Comment: FINAL INSPECTION/W/O RELEASE

09/02/18 *Handwritten initials*

Job Completion



Handwritten: 11 09.02.26

POSITIVE RECALL

EFFECTIVE 09.01.16 AUTH *Handwritten initials*

RELEASED *Handwritten mark* DATE 09.02.17

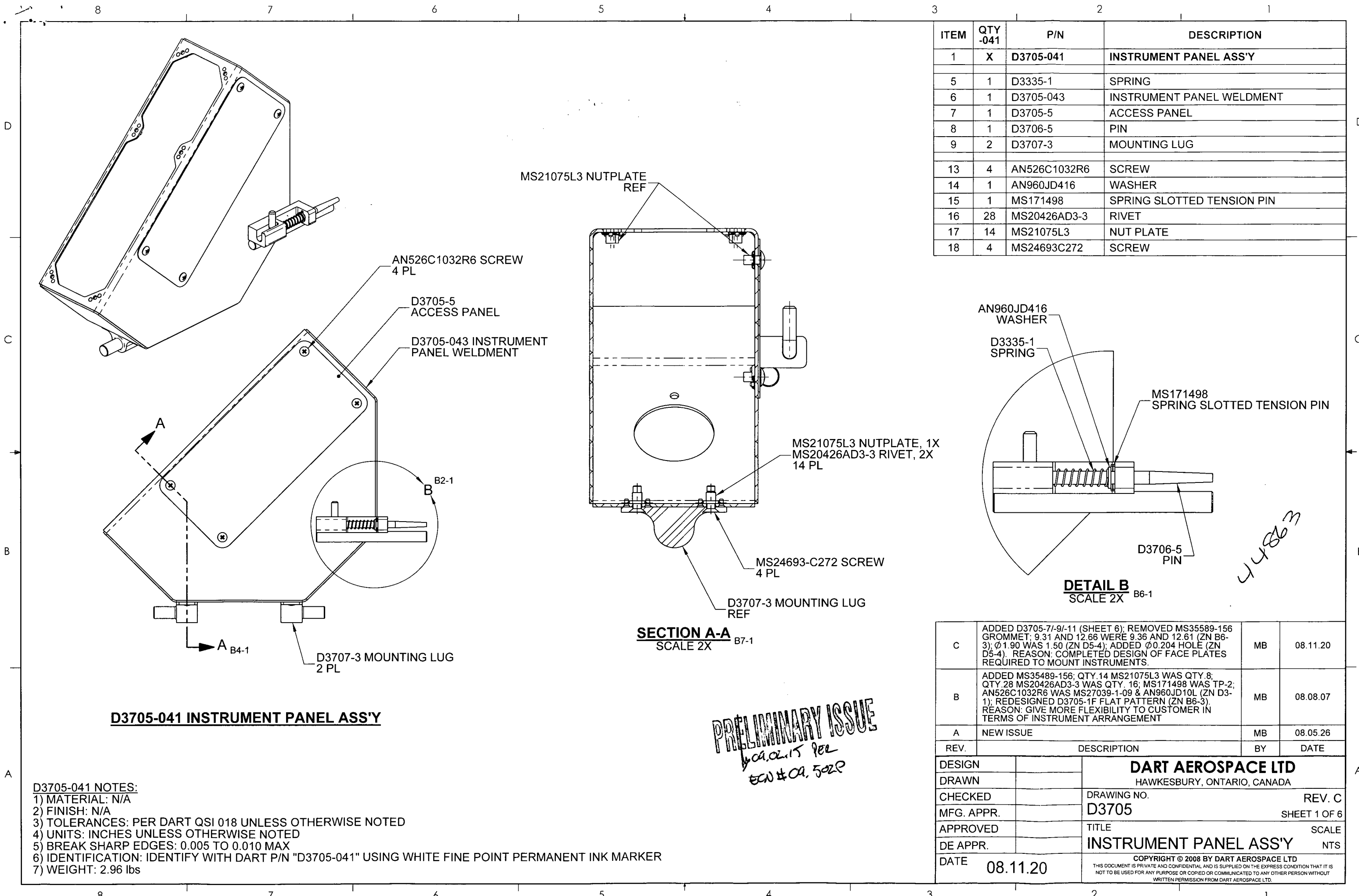
W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

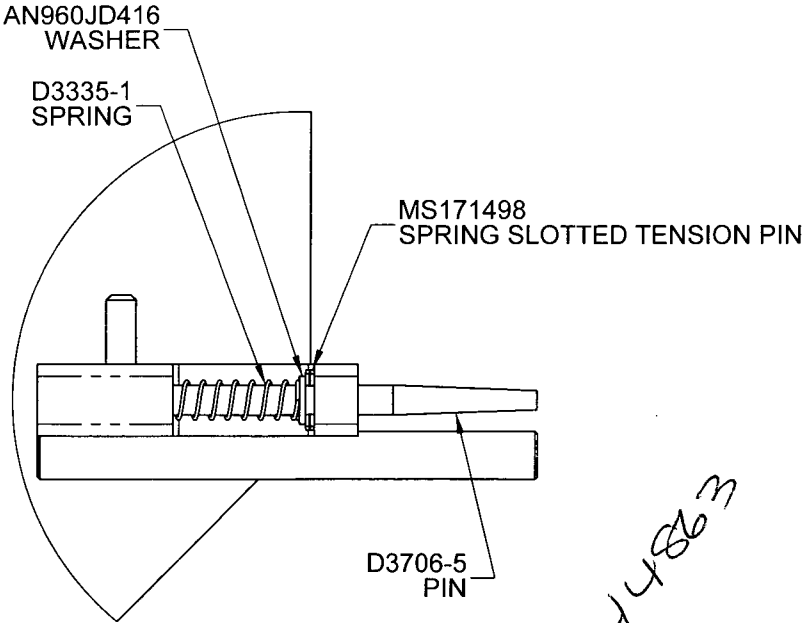
Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries



ITEM	QTY -041	P/N	DESCRIPTION
1	X	D3705-041	INSTRUMENT PANEL ASS'Y
5	1	D3335-1	SPRING
6	1	D3705-043	INSTRUMENT PANEL WELDMENT
7	1	D3705-5	ACCESS PANEL
8	1	D3706-5	PIN
9	2	D3707-3	MOUNTING LUG
13	4	AN526C1032R6	SCREW
14	1	AN960JD416	WASHER
15	1	MS171498	SPRING SLOTTED TENSION PIN
16	28	MS20426AD3-3	RIVET
17	14	MS21075L3	NUT PLATE
18	4	MS24693C272	SCREW



DETAIL B
SCALE 2X B6-1

SECTION A-A
SCALE 2X B7-1

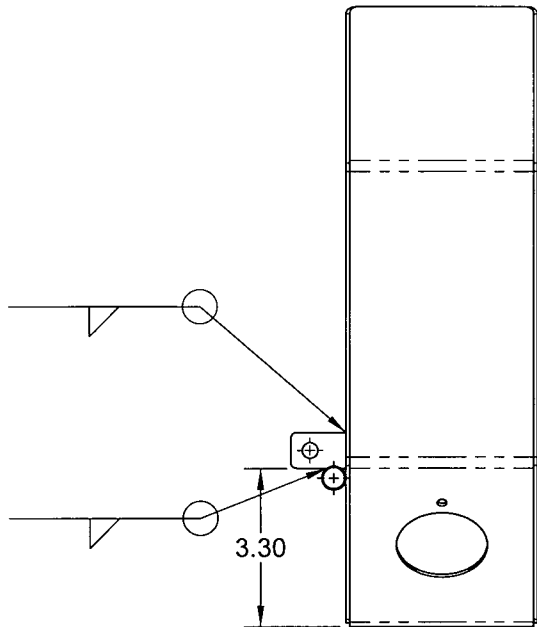
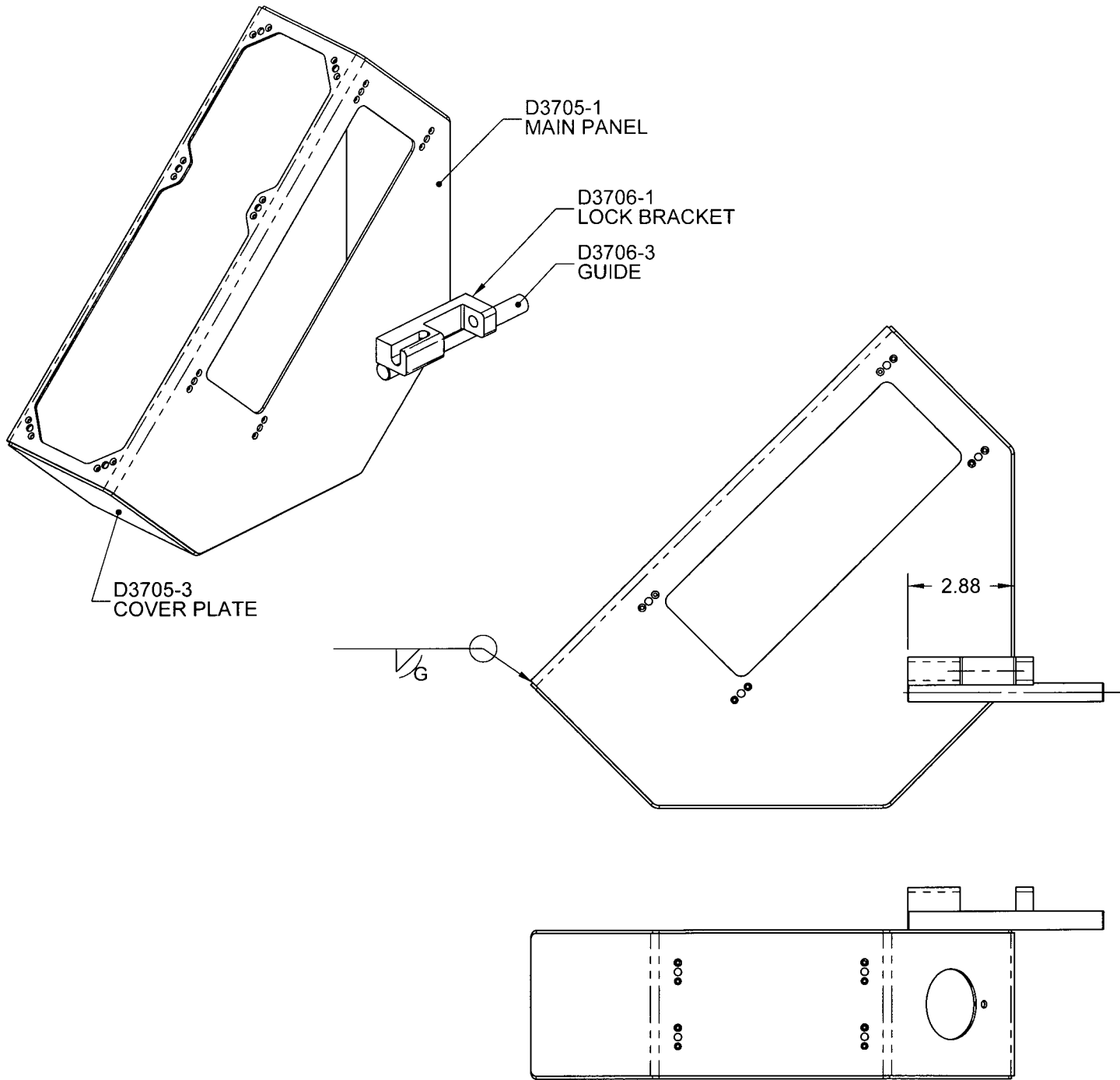
D3705-041 INSTRUMENT PANEL ASS'Y

- D3705-041 NOTES:
- 1) MATERIAL: N/A
 - 2) FINISH: N/A
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D3705-041" USING WHITE FINE POINT PERMANENT INK MARKER
 - 7) WEIGHT: 2.96 lbs

PRELIMINARY ISSUE
by CA, CL, IT per
ECN # CA, 502P

C	ADDED D3705-7/-9/-11 (SHEET 6); REMOVED MS35589-156 GROMMET; 9.31 AND 12.66 WERE 9.36 AND 12.61 (ZN B6-3); Ø 1.90 WAS 1.50 (ZN D5-4); ADDED Ø 0.204 HOLE (ZN D5-4). REASON: COMPLETED DESIGN OF FACE PLATES REQUIRED TO MOUNT INSTRUMENTS.	MB	08.11.20
B	ADDED MS35489-156; QTY. 14 MS21075L3 WAS QTY. 8; QTY. 28 MS20426AD3-3 WAS QTY. 16; MS171498 WAS TP-2; AN526C1032R6 WAS MS27039-1-09 & AN960JD10L (ZN D3-1); REDESIGNED D3705-1F FLAT PATTERN (ZN B6-3). REASON: GIVE MORE FLEXIBILITY TO CUSTOMER IN TERMS OF INSTRUMENT ARRANGEMENT	MB	08.08.07
A	NEW ISSUE	MB	08.05.26
REV.	DESCRIPTION	BY	DATE
DESIGN		DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. C
MFG. APPR.		D3705	SHEET 1 OF 6
APPROVED		TITLE	SCALE
DE APPR.		INSTRUMENT PANEL ASS'Y	NTS
DATE	08.11.20	COPYRIGHT © 2008 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

ITEM	-043 QTY.	P/N	DESCRIPTION
1	X	D3705-043	INSTRUMENT PANEL WELDMENT
3	1	D3705-1	MAIN PANEL
4	1	D3705-3	COVER PLATE
5	1	D3706-1	LOCK BRACKET
6	1	D3706-3	GUIDE

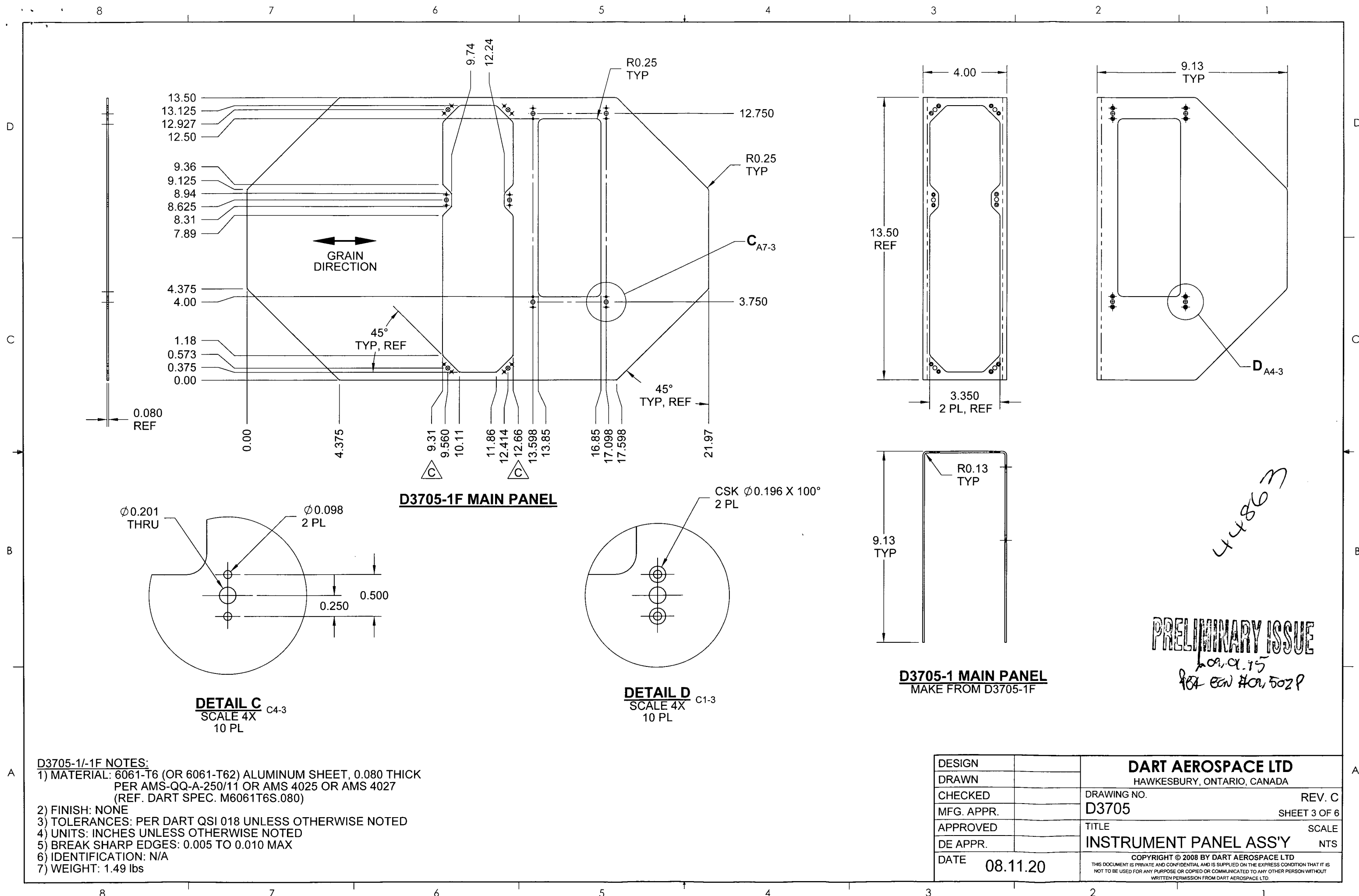


D3705-043 INSTRUMENT PANEL WELDMENT

D3705-043 NOTES:

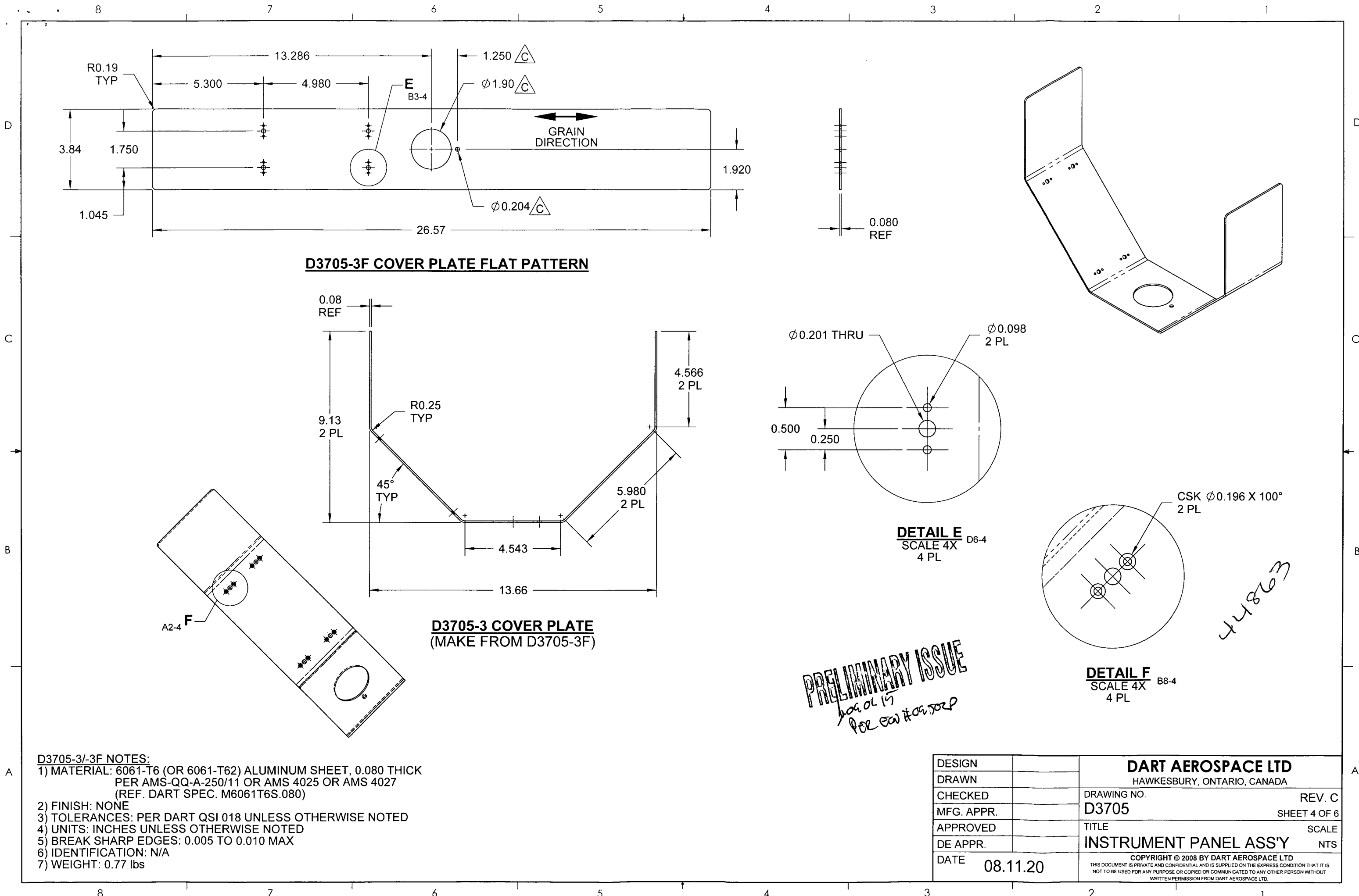
- 1) MATERIAL: N/A
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
POWDER COAT BLACK (4.3.5.7) PER DART QSI 005 4.3
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: 2.90 lbs
- 8) WELDING: PER DART QSI 004

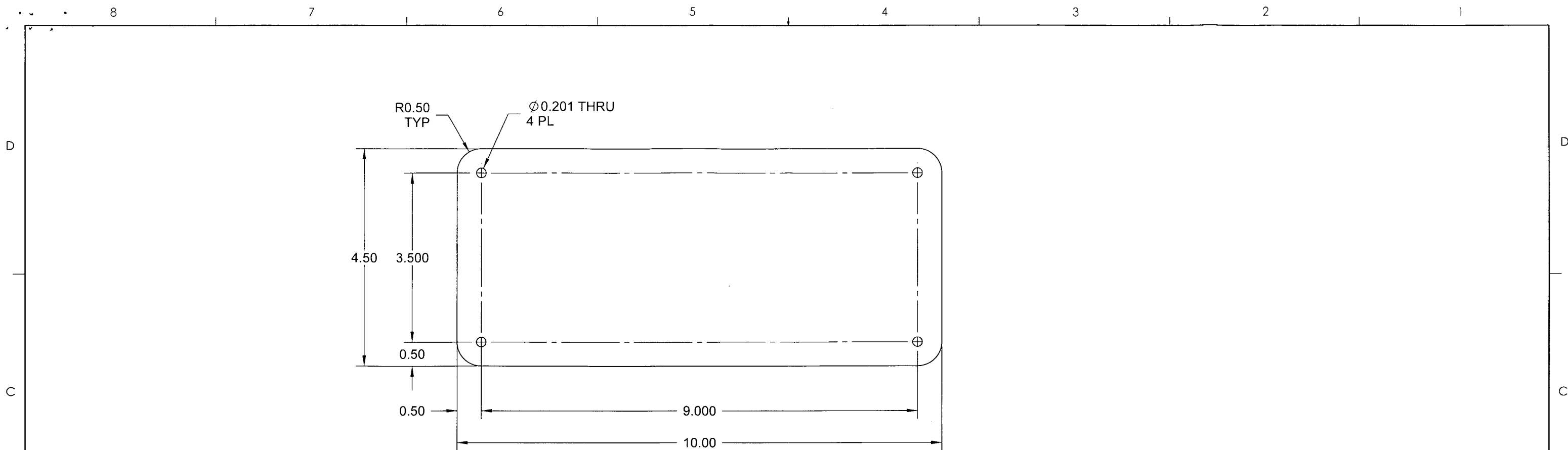
DESIGN		DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. C
MFG. APPR.		D3705	SHEET 2 OF 6
APPROVED		TITLE	SCALE
DE APPR.		INSTRUMENT PANEL ASS'Y	NTS
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D3705-1/-1F NOTES:

- 1) MATERIAL: 6061-T6 (OR 6061-T62) ALUMINUM SHEET, 0.080 THICK
PER AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027
(REF. DART SPEC. M6061T6S.080)
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: 1.49 lbs



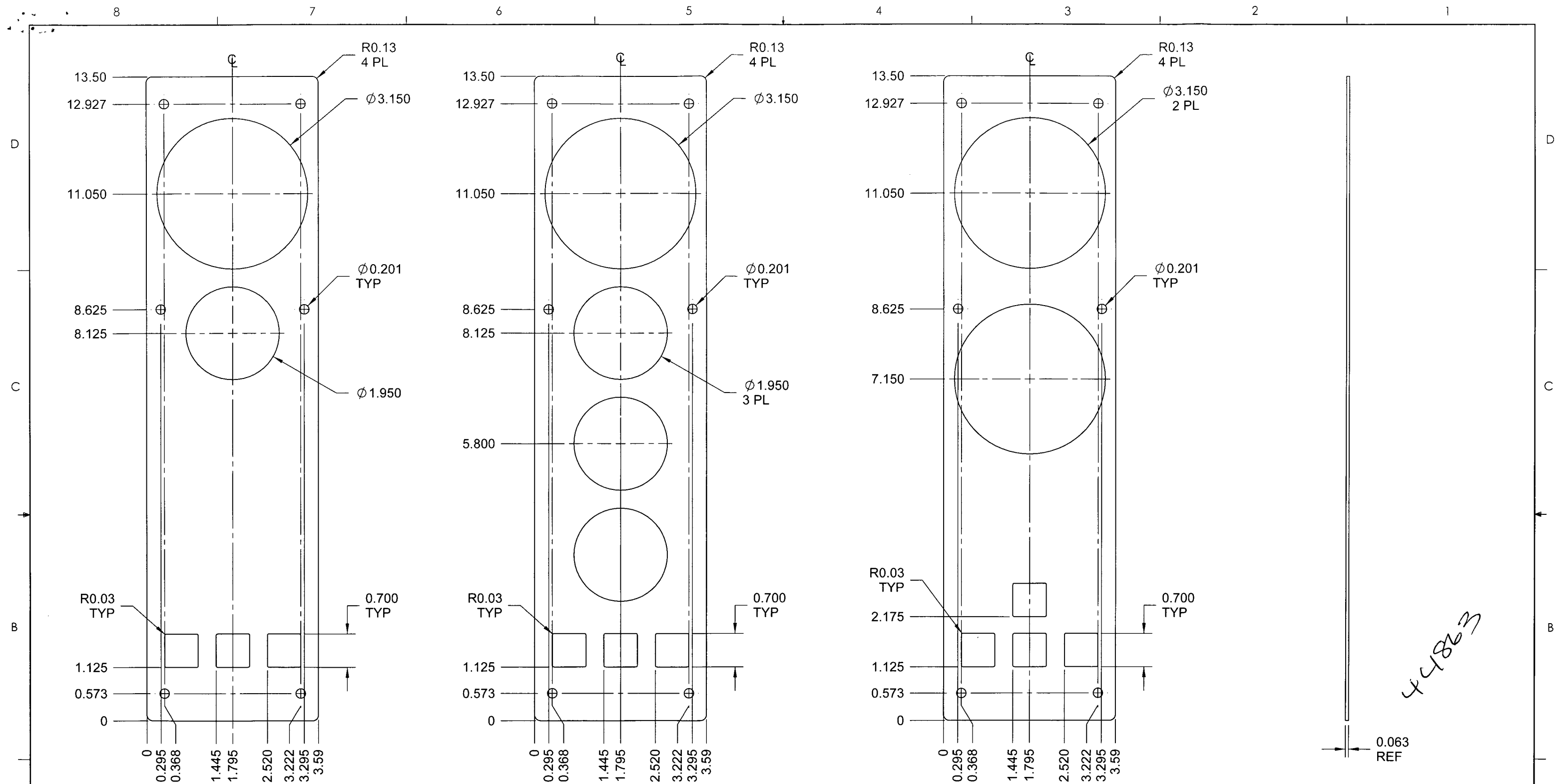


D3705-5 ACCESS PANEL

D3705-5 NOTES:

- 1) MATERIAL: 6061-T6 (OR 6061-T62) ALUMINUM SHEET, 0.040 THICK
PER AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027
(REF. DART SPEC. M6061T6S.040)
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
POWDER COAT BLACK (4.3.5.7) PER DART QSI 005 4.3
- 4) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 5) UNITS: INCHES UNLESS OTHERWISE NOTED
- 6) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 7) IDENTIFICATION: IDENTIFY WITH DART P/N "D3705-5" USING WHITE FINE POINT PERMANENT INK MARKER
- 8) WEIGHT: 0.17 lbs

DESIGN		DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN			
CHECKED		DRAWING NO.	REV. C
MFG. APPR.		D3705	SHEET 5 OF 6
APPROVED		TITLE	SCALE
DE APPR.		INSTRUMENT PANEL ASS'Y	NTS
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D3705-7 FACE PLATE

D3705-9 FACE PLATE

D3705-11 FACE PLATE

SIDE VIEW
TYP

D3705-7/-9/-11 NOTES:

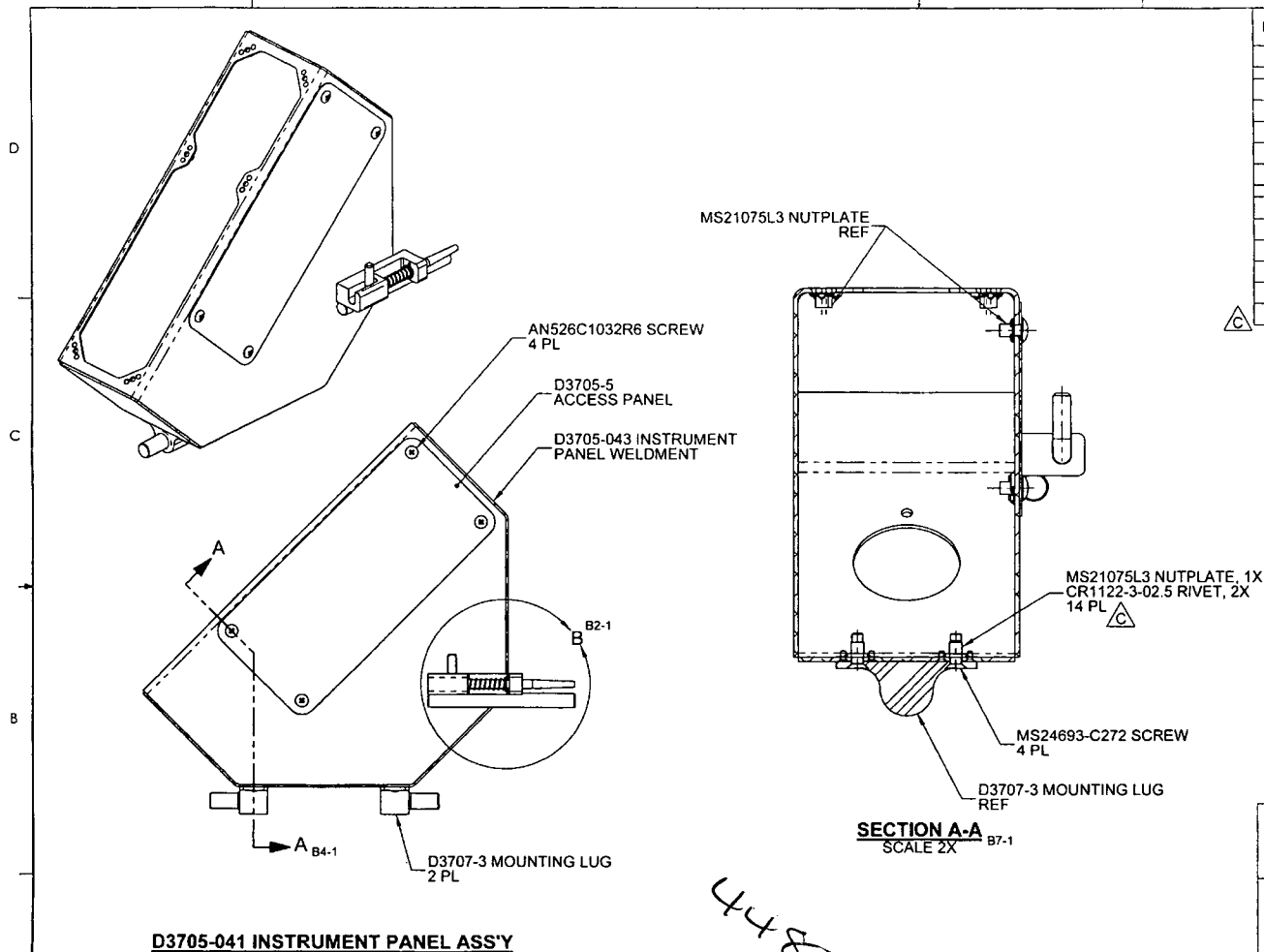
- 1) MATERIAL: 6061-T6 (OR 6061-T62) ALUMINUM SHEET, 0.063 THICK
PER AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027
(REF. DART SPEC. M6061T6S.063)
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
POWDER COAT BLACK (4.3.5.7) PER DART QSI 005 4.3
- 4) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 5) UNITS: INCHES UNLESS OTHERWISE NOTED
- 6) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 7) IDENTIFICATION: IDENTIFY WITH DART P/N "D3705-X" USING WHITE FINE POINT PERMANENT INK MARKER
- 8) WEIGHT: D3705-7 = 0.22 lbs; D3705-9 = 0.18 lbs; D3705-11 = 0.19 lbs

PRELIMINARY ISSUE

08.01.15
Per Rev #09.502P

DESIGN		DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. C
MFG. APPR.		D3705	SHEET 6 OF 6
APPROVED		TITLE	SCALE
DE APPR.		INSTRUMENT PANEL ASS'Y	NTS
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8 7 6 5 4 3 2 1

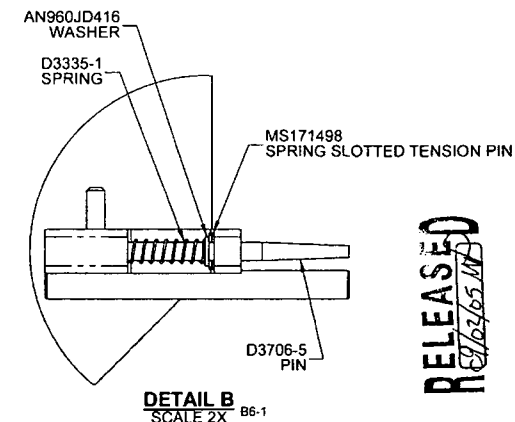


D3705-041 INSTRUMENT PANEL ASS'Y

D3705-041 NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D3705-041" USING WHITE FINE POINT PERMANENT INK MARKER
- 7) WEIGHT: 2.97 lbs

ITEM	QTY -041	P/N	DESCRIPTION
1	X	D3705-041	INSTRUMENT PANEL ASS'Y
5	1	D3335-1	SPRING
6	1	D3705-043	INSTRUMENT PANEL WELDMENT
7	1	D3705-5	ACCESS PANEL
8	1	D3706-5	PIN
9	2	D3707-3	MOUNTING LUG
13	4	AN526C1032R6	SCREW
14	1	AN960JD416	WASHER
15	1	MS171498	SPRING SLOTTED TENSION PIN
17	14	MS21075L3	NUT PLATE
18	4	MS24693C272	SCREW
19	28	CR1122-3-02.5	RIVET



DETAIL B
SCALE 2X B6-1

C	ADDED D3705-7/9/11 (SHEET 6); REMOVED MS35589-156 GROMMET; 9.31 AND 12.66 WERE 9.36 AND 12.61 (ZN B6-3); Ø1.80 WAS 1.50 (ZN D5-4); ADDED Ø0.204 HOLE (ZN D5-4); CR1122-3-02.5 WAS MS20426AD3-3. REASON: COMPLETED DESIGN OF FACE PLATES REQUIRED TO MOUNT INSTRUMENTS	MB	08.11.20
B	ADDED MS35489-156; QTY 14 MS21075L3 WAS QTY 8; QTY 28 MS20426AD3-3 WAS QTY 16; MS171498 WAS TP-2; AN526C1032R6 WAS MS27039-1-09 & AN960JD10L (ZN D3-1); REDESIGNED D3705-1F FLAT PATTERN (ZN B6-3); REASON: GIVE MORE FLEXIBILITY TO CUSTOMER IN TERMS OF INSTRUMENT ARRANGEMENT	MB	08.08.07
A	NEW ISSUE	MB	08.05.26
REV.	DESCRIPTION	BY	DATE
DESIGN	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA DRAWING NO. D3705 TITLE INSTRUMENT PANEL ASS'Y		
DRAWN			
CHECKED			
MFG. APPR.			REV. C
APPROVED			SHEET 1 OF 6
DE APPR.			SCALE
DATE			NTS
08.11.20		COPYRIGHT © 2008 BY DART AEROSPACE LTD THIS DOCUMENT IS UNCLASSIFIED AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD	